

Floods Caused by Tropical Systems: Beaver Kill at Cooks Falls

Latitude: 41.946

Period of Record: 1914-Present

Longitude: -74.98

Flood Stage: 10 ft

Last Flood: 3/12/2013

Number of Floods: 129

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
8/24/1933	17.80	19,000	A strong Category 1 storm, the Chesapeake-Potomac Hurricane brought more than 10 inches of rain to Maryland, Delaware and Southern New Jersey. Other locations throughout the Mid-Atlantic measured more than 4 inches of rain.
9/18/2004	17.67	42,100	The remnants of Hurricane Ivan, combined with a cold front, produced an average rainfall amount of 2-4 inches in NY, 3-7 inches in PA, 1-3.5 inches in NJ and 2 inches in WV.
10/1/2010	15.69	30,700	Tropical moisture ahead of a north-south frontal boundary interacted with the remnants of tropical storm Nicole to produce heavy rainfall throughout the Mid-Atlantic. Rainfall amounts of 4"-5" were common, with locally heavier amounts of up to 10".
8/28/2011	15.60	30,300	Hurricane Irene brought heavy rains and flooding 26-28 August 2011. Area averaged rainfall from gauge and radar data indicated a broad swath of 3 to 10 inches with over 13" at a couple of spots.
9/30/1924	15.00	13,400	Tropical Storm Eight made landfall in the Panhandle of Florida before moving northward along the Atlantic Coast. The storm intensified over NC and became an extratropical storm. Several locations in VA set new records for 24-hour rainfall totals.
9/21/1938	13.67	17,100	The Long Island Express Hurricane produced more than 5 inches of rain in New Jersey, New York and other parts of the Northeast. Major flooding occurred across New York, New Jersey and Pennsylvania.
9/7/2011	13.64	21,500	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.

Drainage Area: 241 sq mi

Tropical information before 1940 is limited.

County of Gage: Delaware

Gage Datum: 1151.7 ft MSL

Main Stem Delaware Basin

County of Forecast Point: Delaware

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10/1/1924	13.00	10,400	Tropical Storm Eight made landfall in the Panhandle of Florida before moving northward along the Atlantic Coast. The storm intensified over NC and became an extratropical storm. Several locations in VA set new records for 24-hour rainfall totals.
9/17/1999	11.50	13,900	Hurricane Floyd produced heavy rainfall from Virginia to Long Island. Rainfall totals ranged from 12 inches in Delaware to 16.57 inches in Newport News, Virginia. Two dams burst in New Jersey and several flood records were broken in New Jersey.
8/19/1955	11.44	14,300	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.
9/8/2011	11.39	13,700	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.
9/27/1985	10.16	10,100	Hurricane Gloria made landfall over Long Island as a Category 2 storm. Gloria produced rainfall amounts of 1 to 5 inches in most of the Mid-Atlantic, with locally heavier amounts of almost 7 inches reported.
9/6/1979	10.04	9,640	Hurricane David dumped 3-7 inches of rainfall across Virginia, Maryland and Pennsylvania.
10/8/2005	10.03	9,600	Tropical Storm Tammy was absorbed into a cold front and produced 2-day rainfall totals of 4 to 7 inches. Flooding was reported in the Raritan, Passaic, Delaware and Lower Main Stem Susquehanna Basins.
8/13/2004	10.01	9,550	A stalled low, which absorbed the remnants of Hurricane Bonnie, dumped 2.5 - 5 inches of rain over 3 days.

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